



## AUSTRALIAN BAUXITE LIMITED

ASX: ABX

### About Australian Bauxite Limited ASX Code ABX

Australian Bauxite Limited (ABx) has started its first bauxite mine in Tasmania and holds the core of the Eastern Australian Bauxite Province. ABx's 37 bauxite tenements in Queensland, New South Wales & Tasmania exceed 5,000 km<sup>2</sup> and were rigorously selected for (1) good quality bauxite; (2) near infrastructure connected to export ports; & (3) free of socio-environmental constraints. All tenements are 100% owned, unencumbered & free of third-party royalties.

ABx's discovery rate is increasing as knowledge, technology & expertise grows.

The Company's bauxite is high quality gibbsite trihydrate (THA) bauxite & can be processed into alumina at low temperature – the type in short-supply globally.

ABx has declared large Mineral Resources at Inverell & Guyra in northern NSW, Taralga in southern NSW, Binjour in central QLD & in Tasmania confirming that ABx has discovered significant bauxite deposits including some of outstandingly high quality.

In Tasmania, at Bald Hill, the Company's first bauxite mine commenced operations on schedule on 9 December 2014 – the first new Australian bauxite mine for more than 35 years.

ABx aspires to identify large bauxite resources in the Eastern Australian Bauxite Province, which is emerging as a globally significant bauxite province. ABx has created significant bauxite developments in 3 states - Queensland, New South Wales and Tasmania. Its bauxite deposits are favourably located for direct shipping of bauxite to both local and export customers.

**ABx endorses best practices on agricultural land, strives to leave land and environment better than we find it.**

**We only operate where welcomed.**

#### Directors / Officers

Paul Lennon	Chairman
Ian Levy	CEO & MD
Ken Boundy	Director

Leon Hawker	Chief Operating Officer
Rob Williams	General Manager
Jacob Rebek	Chief Geologist
Henry Kinstlinger	Secretary

**ASX Symbol: ABX**

**Latest News:** [www.australianbauxite.com.au](http://www.australianbauxite.com.au)

### ABx Large Sale Concluded & New Opportunities Initiated

ABx is selling bauxite into fertiliser and cement markets at prices higher than the currently over-supplied metallurgical bauxite market. ABx's maiden shipment of 5,557 tonnes occurred on 28 April and a second sale of 5,000 tonnes was announced on 31 May.

ABx is pleased to announce it has concluded a large new sale contract for 35,000 tonnes of bauxite from ABx's Bald Hill mine - the first new bauxite project in Australia for more than 35 years. This sale replaces the second 5,000 tonne sale and payment is to be within 7 days. Shipping dates are to be organised to suit the customer's requirements in due course.

The sale price is satisfactorily profitable and commercial-in-confidence.

Two other small-tonnage sales of fertiliser grade bauxite have been concluded for August and December at similarly profitable prices.

### New Customers In Discussions & Signs of Growth

ABx is preparing two joint offers with its more experienced marketing partner, RawMin to jointly ship large tonnages into both the Middle East and European markets for up to five years.

ABx has also been approached for samples of cement-grade bauxite from several international customers.

ABx's CEO Ian Levy commented; "This is a great way to end the financial year and we have more positive developments emerging over the coming few months.

"Cement-grade and fertiliser-grade demand is strong and growing but we endured 8 months of negative trends in the aluminium-related metallurgical bauxite markets until recently. Over the last 5 weeks, several customers have approached ABx seeking metallurgical-grade bauxite in significant tonnages.

"In response to these early signs of a strengthening market, ABx has increased its testing of the TasTech technology that separates ABx's bauxite into 3 products: metallurgical-grade, cement-grade and fertiliser-grade bauxite. Once the robustness of TasTech technology is confirmed, ABx will commence large-scale field trials."

### For further information please contact:

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# Mines & Transport in Tasmania

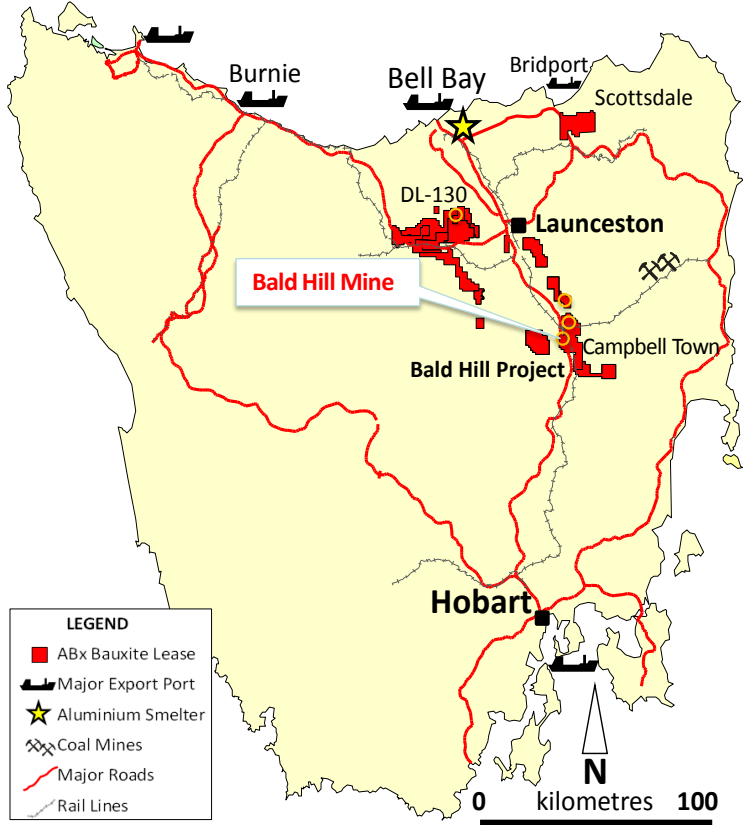
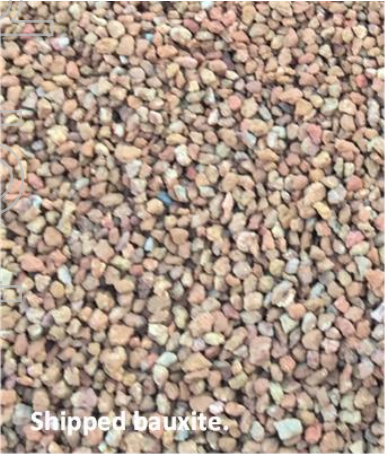


Figure 1: Map showing ABx mines & transport infrastructure in Tasmania. Pictures show (top to bottom):

1. Simple open pit mining at Bald Hill Bauxite Project near Campbell Town, northern Tasmania;
2. High quality rail transport from the Bald Hill mine to the Bell Bay Port by TasRail;
3. Efficient, low-dust transfer onto the berth stockpile at Port by QUBE Ports stevedores; and
4. The port stockpile of ABx bauxite which currently exceeds 35,000 tonnes.



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**CEMENT-GRADE BAUXITE SPECIFICATIONS**

Moisture	7.5% to 9.9%	
Powder less than 2.5mm	10% to 25%	of total shipload by weight
Shipping specification	Group C	non-hazardous, stable. Triple confirmation

**Major Elements**

Al <sub>2</sub> O <sub>3</sub>	34% to 39%	Al <sub>2</sub> O <sub>3</sub> + Fe <sub>2</sub> O <sub>3</sub> guaranteed minimum 60%
Fe <sub>2</sub> O <sub>3</sub>	23% to 32%	Either Al <sub>2</sub> O <sub>3</sub> or Fe <sub>2</sub> O <sub>3</sub> guaranteed 30% minimum
SiO <sub>2</sub>	10% to 20%	to customers' specifications
TiO <sub>2</sub>	2.8% to 3.1%	
LOI - loss on ignition	17% to 24%	

**Minor Elements: all low. No deleterious elements. Low alkalis & SO<sub>3</sub>**

CaO	0.02%	P <sub>2</sub> O <sub>5</sub>	0.04%	MnO	0.03%
MgO	0.07%	V <sub>2</sub> O <sub>5</sub>	0.06%	SO <sub>3</sub> gypsum	0.33%
Na <sub>2</sub> O	0.02%	Cr <sub>2</sub> O <sub>3</sub>	0.06%	SrO	0.01%
K <sub>2</sub> O	0.01%	Zn	0.01%	ZrO <sub>2</sub>	0.03%

**Other bauxite parameters: Trihydrate Gibbsite Bauxite**

Reactive "Rx" SiO <sub>2</sub> at 140 deg C	8% to 18%	:: Quartz content = 1% to 2% typically & clay content = 20% to 40%
Available "Avl" Al <sub>2</sub> O <sub>3</sub> at 140 deg C	~25% to 34%	:: Gibbsite content = 38% to 50% typically
Contains no radioactive or fibrous components.		
Clean handling, ideal for transport on land or sea. See <a href="https://www.youtube.com/watch?v=tqSNioU9gEc">https://www.youtube.com/watch?v=tqSNioU9gEc</a> .		
High angle of repose (35 to 45 degrees) in stockpiles		
Bulk density in stockpile	1.35 to 1.40	tonnes per broken cubic metre

**Cement typical parameters**

Sodium Equivalence	0.03% to 0.04%	
Alumina Ratio "AM"	1.15 to 1.45	
Silica Ratio "SM"	0.16 to 0.33	to customers' specifications
C <sub>3</sub> A (tricalcium aluminate)	38% to 52%	
C <sub>4</sub> AF (tetracalcium aluminoferrite)	69% to 88%	

**Particle size distribution "PSD"**

Size	PSD Wt%
+100mm	5% max
25-100mm	15% to 25%
10-25mm	25% to 35%
2.36-10mm	25% to 35%
0-2.36mm	10% to 25%
<b>TOTAL</b>	<b>100.0%</b>



Selective mining



Screening &amp; grade control



Perfect for road, rail &amp; sea transport



Dries fast



Sheds rainwater rapidly



Bell Bay Port



Blending to specification



Low dust, high angle of repose

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